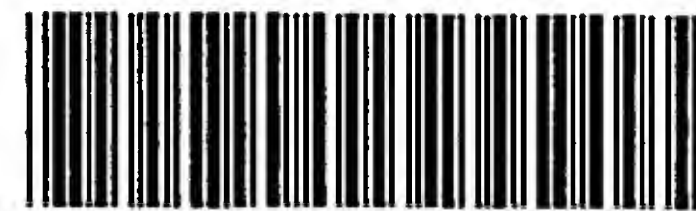


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/591,109
Source: IFWP
Date Processed by STIC: 09/12/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/12/2006

PATENT APPLICATION: US/10/591,109

TIME: 11:08:31

Input Set : A:\9052-249.ST25.TXT

Output Set: N:\CRF4\09122006\J591109.raw

3 <110> APPLICANT: Colyer, John
 4 Bhogal, Moninder Singh
 6 <120> TITLE OF INVENTION: METHOD AND PRODUCTS FOR THE SELECTIVE DEGRADATION
 OF PROTEINS
 8 <130> FILE REFERENCE: 9052-249
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,109
 C--> 10 <141> CURRENT FILING DATE: 2006-08-31
 10 <150> PRIOR APPLICATION NUMBER: PCT/GB2005/000811
 11 <151> PRIOR FILING DATE: 2005-03-03
 13 <150> PRIOR APPLICATION NUMBER: GB0404731.2
 14 <151> PRIOR FILING DATE: 2004-03-03
 16 <160> NUMBER OF SEQ ID NOS: 12
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 6
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: misc_feature
 28 <222> LOCATION: (4)..(5)
 29 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 34 1 5
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 26
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: oligonucleotide primer
 45 <400> SEQUENCE: 2
 46 cgggatccat ggataaagtc catacc 26
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 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: oligonuceotide primer
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 58 cccaagcttt tagagaagca tcaaattg 27
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 27
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial

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PATENT APPLICATION: US/10/591,109

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Input Set : A:\9052-249.ST25.TXT

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76 <213> ORGANISM: Artificial
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88 <213> ORGANISM: Artificial
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98 <211> LENGTH: 45
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial
102 <220> FEATURE:
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112 <213> ORGANISM: Artificial
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115 <223> OTHER INFORMATION: oligonucleotide primer
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124 <213> ORGANISM: Artificial
126 <220> FEATURE:
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134 <211> LENGTH: 24
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,109

DATE: 09/12/2006

TIME: 11:08:31

Input Set : A:\9052-249.ST25.TXT

Output Set: N:\CRF4\09122006\J591109.raw

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159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
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168 Ala His Pro Thr Asn Val Gln Arg Leu Ala Glu Pro Ser Gln Met Leu
169 20 25 30
172 Lys His Ala Val Val Asn Leu Ile Asn Tyr Gln Asp Asp Ala Glu Leu
173 35 40 45
176 Ala Thr Arg Ala Ile Pro Glu Leu Thr Lys Leu Leu Asn Asp Glu Asp
177 50 55 60
180 Gln Val Val Val Asn Lys Ala Ala Val Met Val His Gln Leu Ser Lys
181 65 70 75 80
184 Lys Glu Ala Ser Arg His Ala Ile Met Arg Ser Pro Gln Met Val Ser
185 85 90 95
188 Ala Ile Val Arg Thr Met Gln Asn Thr Asn Asp Val Glu Thr Ala Arg
189 100 105 110
192 Cys Thr Ala Gly Thr Leu His Asn Leu Ser His His Arg Glu Gly Leu
193 115 120 125
196 Leu Ala Ile Phe Lys Ser Gly Gly Ile Pro Ala Leu Val Lys Met Leu
197 130 135 140
200 Gly Ser Pro Val Asp Ser Val Leu Phe Tyr Ala Ile Thr Thr Leu His
201 145 150 155 160
204 Asn Leu Leu Leu His Gln Glu Gly Ala Lys Met Ala Val Arg Leu Ala
205 165 170 175
208 Gly Gly Leu Gln Lys Met Val Ala Leu Leu Asn Lys Thr Asn Val Lys
209 180 185 190
212 Phe Leu Ala Ile Thr Thr Asp Cys Leu Gln Ile Leu Ala Tyr Gly Asn
213 195 200 205
216 Gln Glu Ser Lys Leu Ile Ile Leu Ala Ser Gly Gly Pro Gln Ala Leu
217 210 215 220
220 Val Asn Ile Met Arg Thr Tyr Thr Tyr Glu Lys Leu Leu Trp Thr Thr
221 225 230 235 240
224 Ser Arg Val Leu Lys Val Leu Ser Val Cys Ser Ser Asn Lys Pro Ala
225 245 250 255
228 Ile Val Glu Ala Gly Gly Met Gln Ala Leu Gly Leu His Leu Thr Asp

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229				260					265				270			
232	Pro	Ser	Gln	Arg	Leu	Val	Gln	Asn	Cys	Leu	Trp	Thr	Leu	Arg	Asn	Leu
233			275					280					285			
236	Ser	Asp	Ala	Ala	Thr	Lys	Gln	Glu	Gly	Met	Glu	Gly	Leu	Leu	Gly	Thr
237		290					295					300				
240	Leu	Val	Gln	Leu	Leu	Gly	Ser	Asp	Asp	Ile	Asn	Val	Val	Thr	Cys	Ala
241	305					310					315					320
244	Ala	Gly	Ile	Leu	Ser	Asn	Leu	Thr	Cys	Asn	Asn	Tyr	Lys	Asn	Lys	Met
245					325					330					335	
248	Met	Val	Cys	Gln	Val	Gly	Gly	Ile	Glu	Ala	Leu	Val	Arg	Thr	Val	Leu
249				340					345					350		
252	Arg	Ala	Gly	Asp	Arg	Glu	Asp	Ile	Thr	Glu	Pro	Ala	Ile	Cys	Ala	Leu
253			355					360					365			
256	Arg	His	Leu	Thr	Ser	Arg	His	Gln	Glu	Ala	Glu	Met	Ala	Gln	Asn	Ala
257		370					375					380				
260	Val	Arg	Leu	His	Tyr	Gly	Leu	Pro	Val	Val	Val	Lys	Leu	Leu	His	Pro
261	385					390					395					400
264	Pro	Ser	His	Trp	Pro	Leu	Ile	Lys	Ala	Thr	Val	Gly	Leu	Ile	Arg	Asn
265				405					410					415		
268	Leu	Ala	Leu	Cys	Pro	Ala	Asn	His	Ala	Pro	Leu	Arg	Glu	Gln	Gly	Ala
269			420						425				430			
272	Ile	Pro	Arg	Leu	Val	Gln	Leu	Leu	Val	Arg	Ala	His	Gln	Asp	Thr	Gln
273			435				440					445				
276	Arg	Arg	Thr	Ser	Met	Gly	Gly	Thr	Gln	Gln	Gln	Phe	Val	Glu	Gly	Val
277		450				455					460					
280	Arg	Met	Glu	Glu	Ile	Val	Glu	Gly	Cys	Thr	Gly	Ala	Leu	His	Ile	Leu
281	465				470				475							480
284	Ala	Arg	Asp	Val	His	Asn	Arg	Ile	Val	Ile	Arg	Gly	Leu	Asn	Thr	Ile
285				485					490					495		
288	Pro	Leu	Phe	Val	Gln	Leu	Leu	Tyr	Ser	Pro	Ile	Glu	Asn	Ile	Gln	Arg
289			500					505					510			
292	Val	Ala	Ala	Gly	Val	Leu	Cys	Glu	Leu	Ala	Gln	Asp	Lys	Glu	Ala	Ala
293			515				520					525				
296	Glu	Ala	Ile	Glu	Ala	Glu	Gly	Ala	Thr	Ala	Pro	Leu	Thr	Glu	Leu	Leu
297		530				535					540					
300	His	Ser	Arg	Asn	Glu	Gly	Val	Ala	Thr	Tyr	Ala	Ala	Ala	Val	Leu	Phe
301	545					550				555						560
304	Arg	Met	Ser	Glu	Asp	Lys	Pro	Gln	Asp	Tyr	Lys	Lys	Arg	Leu	Ser	Val
305				565					570						575	
308	Glu	Leu	Thr	Ser	Ser	Leu	Phe	Arg	Thr	Glu	Pro	Met	Ala	Trp	Asn	Glu
309			580					585						590		
312	Thr	Ala	Asp	Leu	Gly	Leu	Asp	Ile	Gly	Ala	Gln	Gly	Glu	Ala	Leu	Gly
313			595				600					605				
316	Tyr	Arg	Gln	Asp	Asp	Pro	Ser	Tyr	Arg	Ser	Phe	His	Ser	Gly	Gly	Tyr
317		610				615					620					
320	Gly	Gln	Asp	Ala	Leu	Gly	Met	Asp	Pro	Met	Met	Glu	His	Glu	Met	Gly
321	625				630					635						640
324	Gly	His	His	Pro	Gly	Ala	Asp	Tyr	Pro	Val	Asp	Gly	Leu	Pro	Asp	Leu
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,109

DATE: 09/12/2006

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Output Set: N:\CRF4\09122006\J591109.raw

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328 Gly His Ala Gln Asp Leu Met Asp Gly Leu Pro Pro Gly Asp Ser Asn
329          660          665          670
332 Gln Leu Ala Trp Phe Asp Thr Asp Leu Gly Ser Asn Met Asp Pro Ala
333          675          680          685
336 Glu Ala Val Leu Gln Glu Lys Ala Leu Lys Phe Met Asn Ser Ser Glu
337          690          695          700
340 Arg Glu Asp Cys Asn Asn Gly Glu Pro Pro Arg Lys Ile Ile Pro Glu
341 705          710          715          720
344 Lys Asn Ser Leu Arg Gln Thr Tyr Asn Ser Cys Ala Arg Leu Cys Ile
345          725          730          735
348 Asn Gln Glu Thr Val Cys Leu Thr Ser Thr Ala Met Lys Thr Glu Asn
349          740          745          750
352 Cys Val Ala Lys Ala Lys Leu Ala Asn Gly Thr Ser Ser Met Ile Val
353          755          760          765
356 Pro Lys Gln Arg Lys Leu Ser Ala Ser Tyr Glu Lys Glu Lys Glu Leu
357          770          775          780
360 Cys Val Lys Tyr Phe Glu Gln Trp Ser Glu Ser Asp Gln Val Glu Phe
361 785          790          795          800
364 Val Glu His Leu Ile Ser Gln Met Cys His Tyr Gln His Gly His Ile
365          805          810          815
368 Asn Ser Tyr Leu Lys Pro Met Leu Gln Arg Asp Phe Ile Thr Ala Leu
369          820          825          830
372 Pro Ala Arg Gly Leu Asp His Ile Ala Glu Asn Ile Leu Ser Tyr Leu
373          835          840          845
376 Asp Ala Lys Ser Leu Cys Ala Ala Glu Leu Val Cys Lys Glu Trp Tyr
377          850          855          860
380 Arg Val Thr Ser Asp Gly Met Leu Trp Lys Lys Leu Ile Glu Arg Met
381 865          870          875          880
384 Val Arg Thr Asp Ser Leu Trp Arg Gly Leu Ala Glu Arg Arg Gly Trp
385          885          890          895
388 Gly Gln Tyr Leu Phe Lys Asn Lys Pro Pro Asp Glu Asn Ala Pro Pro
389          900          905          910
392 Asn Ser Phe Tyr Arg Ala Leu Tyr Pro Lys Ile Ile Gln Asp Ile Glu
393          915          920          925
396 Thr Ile Glu Ser Asn Trp Arg Cys Gly Arg His Ser Leu Gln Arg Ile
397          930          935          940
400 His Cys Arg Ser Glu Thr Ser Lys Gly Val Tyr Cys Leu Gln Tyr Asp
401 945          950          955          960
404 Asp Gln Lys Ile Val Ser Gly Leu Arg Asp Asn Thr Ile Lys Ile Trp
405          965          970          975
408 Asp Lys Ser Thr Leu Glu Cys Lys Arg Ile Leu Thr Gly His Thr Gly
409          980          985          990
412 Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg Val Ile Ile Thr Gly Ser
413          995          1000          1005
416 Ser Asp Ser Thr Val Arg Val Trp Asp Val Asn Ala Gly Glu Met
417          1010          1015          1020
420 Leu Asn Thr Leu Ile His His Cys Glu Ala Val Leu His Leu Arg
421          1025          1030          1035
424 Phe Asn Asn Gly Met Met Val Thr Cys Ser Lys Asp Arg Ser Ile

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/591,109

DATE: 09/12/2006
TIME: 11:08:33

Input Set : A:\9052-249.ST25.TXT
Output Set: N:\CRF4\09122006\J591109.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 4,5

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/591,109

DATE: 09/12/2006

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Input Set : A:\9052-249.ST25.TXT

Output Set: N:\CRF4\09122006\J591109.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0